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Imagery analysis report

**SA-2 SAM Equipment Collocated with
SA-X-10 SAM Equipment at Launch
Complex G, Sary-Shagan
Missile Test Center, USSR (S)**

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**SA-2 SAM EQUIPMENT COLLOCATED WITH SA-X-10
SAM EQUIPMENT AT LAUNCH COMPLEX G
SARY-SHAGAN MISSILE TEST CENTER, USSR (S)**

1. (S/D) Between March and October 1980, SA-2 equipment was collocated with SA-X-10 equipment at Launch Complex G [] Sary-Shagan Missile Test Center, USSR (Figure 1). This is the first time SA-2 equipment has been observed collocated with SA-X-10 equipment.

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2. (S/D) On [] the SA-2 equipment was just east of the SA-X-10 launch area and consisted of a modified FAN SONG radar, three SA-2 launchers (two with missiles), and eight associated vehicles. The two launchers with missiles were cable connected to the FAN SONG radar. The third launcher was never observed occupied by a missile or cable connected to the FAN SONG radar.

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3. (S/D) On [] the two SA-2 launchers with missiles were elevated into the firing position (Figure 2) and a transporter-erector-launcher (TEL) with four SA-X-10 missile canisters was raised into the firing position (Figure 3). Additionally, transportable-electronics-tower (TET)-mounted SH-EL-01 and SH-EL-02 radars were elevated and appeared operational.

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4. (S/D) On [] the two SA-2 launchers previously observed with missiles were empty, horizontal, and net covered (Figure 4). The westernmost SA-2 launcher had probable blast marks behind it. The third SA-2 launcher was empty and uncovered. In the SA-X-10 area (Figure 5), the previously raised TEL with four SA-X-10 missile canisters was also horizontal and net covered.

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5. (S/D) Throughout September, SA-2 equipment was removed and by early October all the SA-2 equipment was gone.

IMAGERY ANALYST'S COMMENTS

6. (S/D) Collocated SA-2 and SA-X-10 equipment, SA-2 missiles on raised SA-2 launchers on the same day a TEL with four SA-X-10 missile canisters was raised, and probable blast marks behind a SA-2 launcher indicate that the SA-2 missile system was test fired in conjunction with the SA-X-10 missile system. The exact reasons for this probable test are not known. However, some possibilities are:

- a. Testing for future joint deployment of the two systems,
- b. A competitive test firing between the crews and systems, or
- c. The use of SA-2 missiles as target drones for the SA-X-10 system.

RELATED DOCUMENT

NPIC. [] SR-031/77, *Modified FAN SONG Radar, Launch Complex A, Sary-Shagan Missile Test Center, USSR (S)*, Jun 77 (TOP SECRET [])

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*Relevant material is classified SECRET []

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(S) Comments and queries regarding this report are welcome. They may directed to [] Soviet Strategic Forces Division, Imagery Exploitation Group, NPIC, []

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